

Product datasheet for **TP314802**

Thrombospondin 1 (THBS1) (NM_003246) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human thrombospondin 1 (THBS1), 20 µg
Species:	Human
Expression Host:	HEK293T



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Expression cDNA Clone or AA Sequence: >RC214802 representing NM_003246
Red=Cloning site Green=Tags(s)

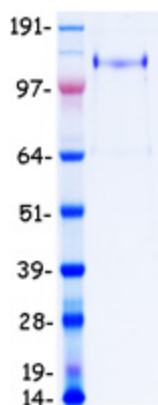
MGLAWGLGVFLMHVCGTNRIPESGGDNSVDFIFELTGAARKGSGRRLVKGPDPSSPAFRIEDANLIPPV
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V
VSVEEALLATGQWKSITLQVQEDRAQLYIDCEKMENAELDVPIQSVFTRDLASIALRIAKGGVNDNFQG
VLQNVRFVFGTTPEDILRNKGCSSTSVLLTLDNNVWNGSSPAIRTNYIGHKTKDLQAICGISCELSM
VLELRGLRTIVTTLQDSIRKVTEENKELANELRRPPLCYHNGVQYRNNEEWTVDSCTECHCQNSVTICK
VSCPIPCSNAVTPDGECCPRCWPSDSADDGWSPWSEWTSCSTSCGNGIQQRGRSCDSLNNRCEGSSV
QT
RTCHIQECDKRFKQDGGWSHWSPWSSCVTCGDGVITRIRLCNSPSPQMNGKPCGEARETKACKKDAC
P
INGGWGPWSPWDICSVTCGGGVQKRSRLCNPPTQFGGKDCVGDVTENQICNKQDCPIDGCLSNPCFA
GV
KCTSYPDGSKGACPPGYSGNGIQCTDVDECKEVPDACFNHNGEHRCENTDPGYNCLPCPPRFTGSQP
F
GQGVHATANKQVCKPRNPCTDGTDCNKNACNYLGHYSDPMYRCECKPGYAGNGIICGEDTDLG
WPN
ENLVCVANATYHCKKDNCPNLPNSGQEDYDKDGIGDACDDDDNDKIPDDRDNCPFHYNPAQDYDR
DDV
GDRCDNCPYNHNPQADTDNNGEGDACAADIDGDGILNERDNCQVYVNDQRDTMDMGVGDQCDN
CPLEH
NPDQLDSDSDRIGDTCNNDQDIDEDGHQNNLDNCPYVPANQADHDKDGKGDACDHDDDNDGIPD
DKDNC
RLVNPDPQKDSGDGRGDACKDDFDHDSVPDIDDICPENVDISETDFRRFQMIPLDPKGTSQNDPNWV
VR
HQGKELVQTVNCDPGLAVGYDEFNAVDFSGTFFINTERDDYAGFVFGYQSSSRFYVMWKQVTQSYWD
T
NPTRAQGYGLSVKVNSTTGPEHLRNALWHTGNTPGQVRTLWHDPRHIGWKDFTAYRWRLSHRPKT
GF
IRVVMYEGKKIMADSGPIYDKTYAGGRLGLFVFSQEMVFFSDLKYECRDP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 127.4 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_003237
Locus ID:	7057
UniProt ID:	P07996
RefSeq Size:	5820
Cytogenetics:	15q14
RefSeq ORF:	3510
Synonyms:	THBS; THBS-1; TSP; TSP-1; TSP1
Summary:	The protein encoded by this gene is a subunit of a disulfide-linked homotrimeric protein. This protein is an adhesive glycoprotein that mediates cell-to-cell and cell-to-matrix interactions. This protein can bind to fibrinogen, fibronectin, laminin, type V collagen and integrins alpha-V/beta-1. This protein has been shown to play roles in platelet aggregation, angiogenesis, and tumorigenesis. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Bladder cancer, ECM-receptor interaction, Focal adhesion, p53 signaling pathway, TGF-beta signaling pathway

Product images:



Coomassie blue staining of purified THBS1 protein (Cat# TP314802). The protein was produced from HEK293T cells transfected with THBS1 cDNA clone (Cat# [RC214802]) using MegaTran 2.0 (Cat# [TT210002]).